PALO DURO ROCKS!

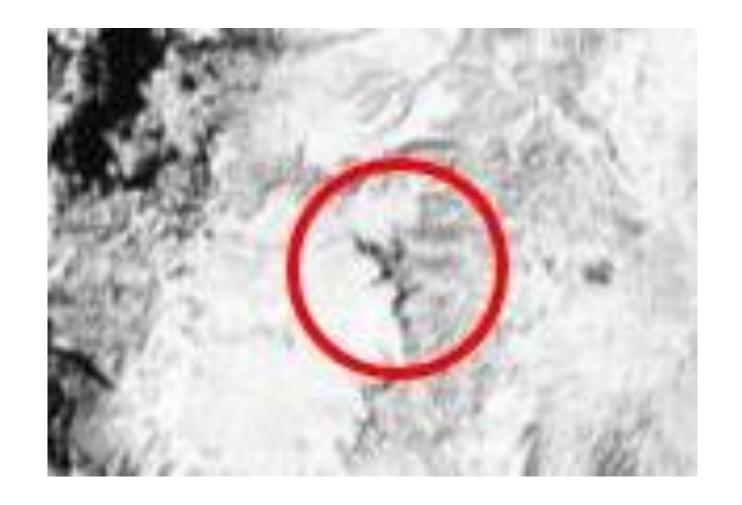
Geology as metaphor in Palo Duro Canyon



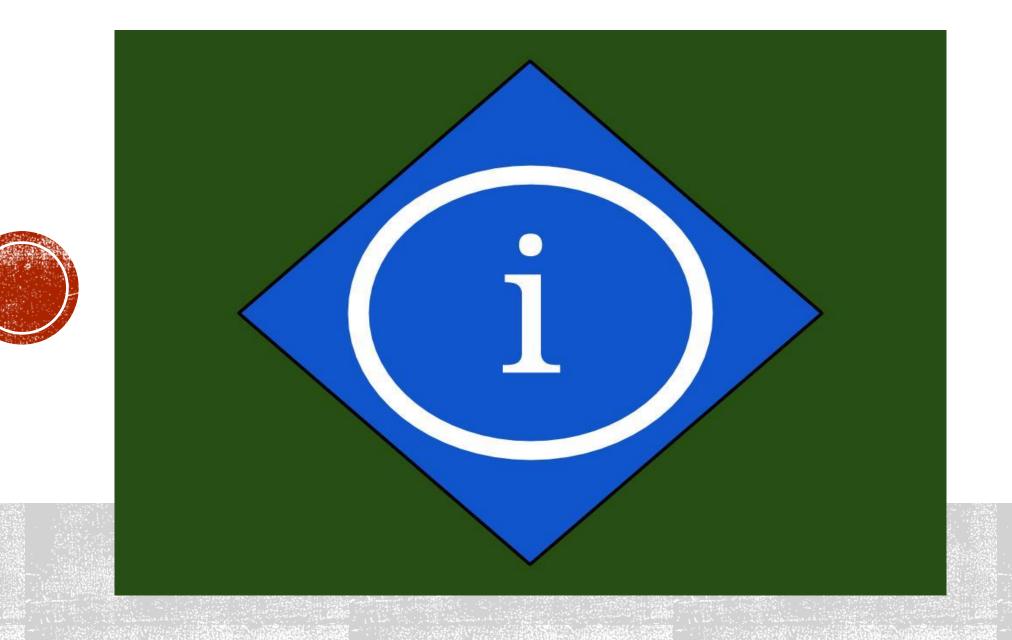
To manage and conserve the natural and cultural resources of Texas and to provide hunting, fishing and outdoor recreation opportunities for the use and enjoyment of present and future generations.









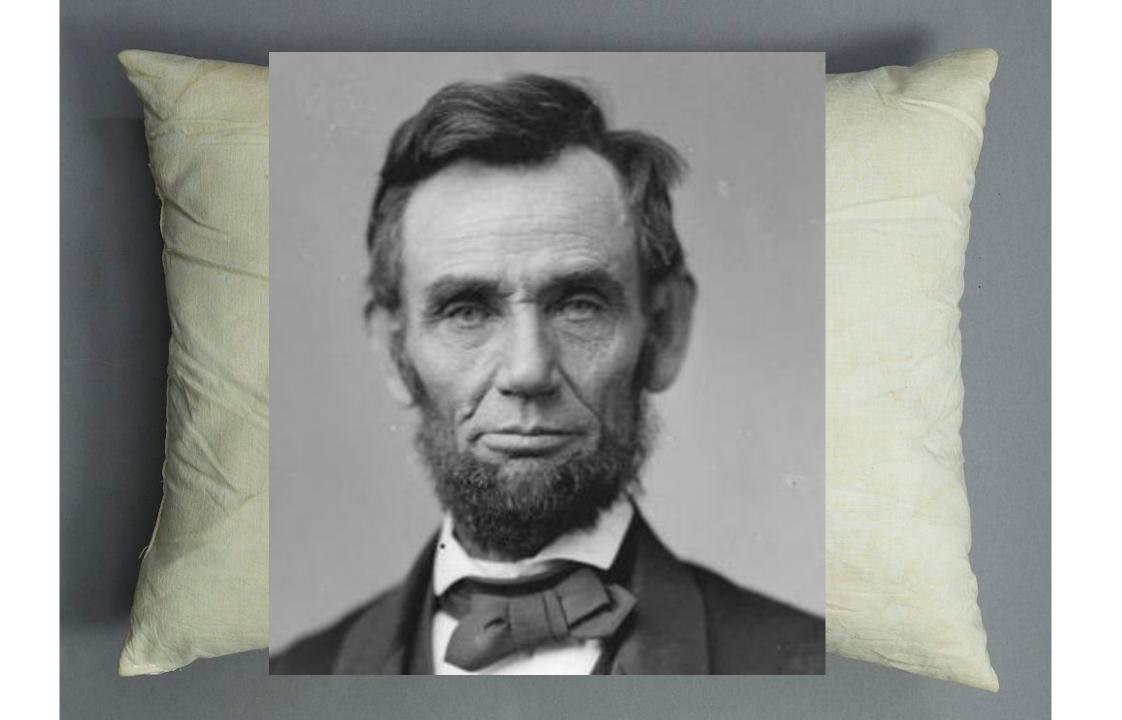












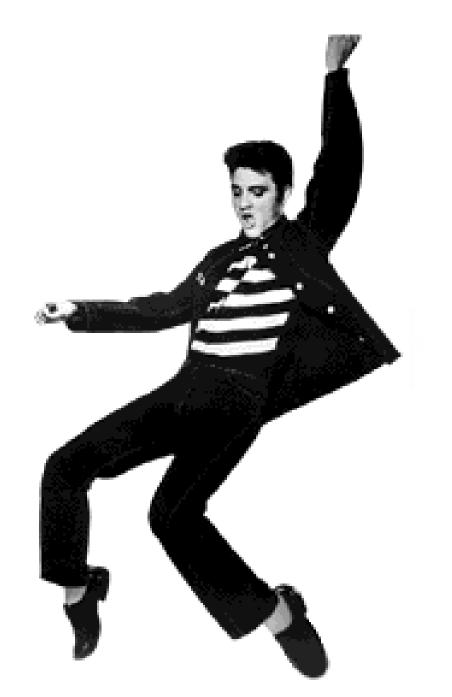




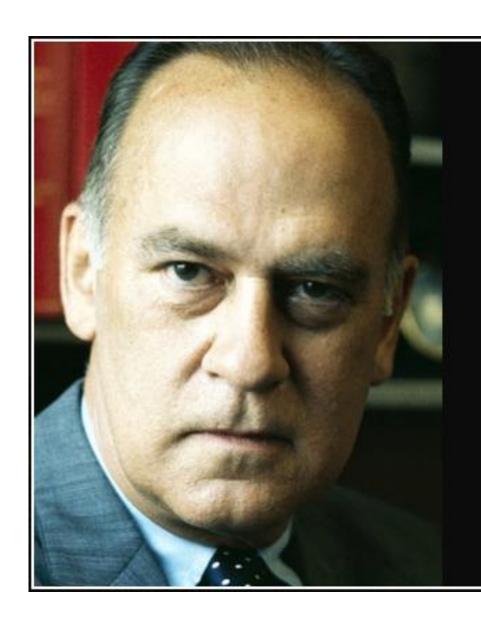




What is a rock?







I shall not today attempt further to define the kinds of material but I know it when I see it.

— Potter Stewart —









Okay. So then what is a mineral?

Igneous

Metamorphic















G	GEOLO)GI(C TIME SCALE				
ERA	PERIOD	EPOCH	SUCCESSION OF LIFE				
CENOZOIC "RECENT LIFE"	QUATERNARY 0-1 MILLION YEARS	Recent Pleistocene					
	TERTIARY 62 MILLION YEARS	Pliocene Miocene Oligocene E oce ne Paleocene					
MESOZOIC "MIDDLE LIFE"	CRETACEOUS 72 MILLION YEARS						
	JURASSIC 46 MILLION YEARS						
	TRIASSIC 49 MILLION YEARS	, Alka					
	PERMIAN 50 MILLION YEARS						
	S D PENNSYLVANIAN 30 MILLION YEARS						
)[C	MISSISSIPPIAN 35 MILLION YEARS	3	y a BD a A				
ALEOZOI	DEVONIAN 60 MILLION YEARS						
PAL	SILURIAN 20 MILLION YEARS	P.					
	ORDOVICIAN 75 MILLION YEARS	A Annual V					
	CAMBRIAN 100 MILLION YEARS	Contr	~ Coaas				
PRECAMBRIAN ERAS							
PROTEROZOIC ERA							
	ARCHEOZOIC ERA						
APPROXIMATE AGE OF THE EARTH MORE THAN 4 BILLION 550 MILLION YEARS							



PRECAMBRIAN ERAS

PROTEROZOIC ERA

ARCHEOZOIC ERA

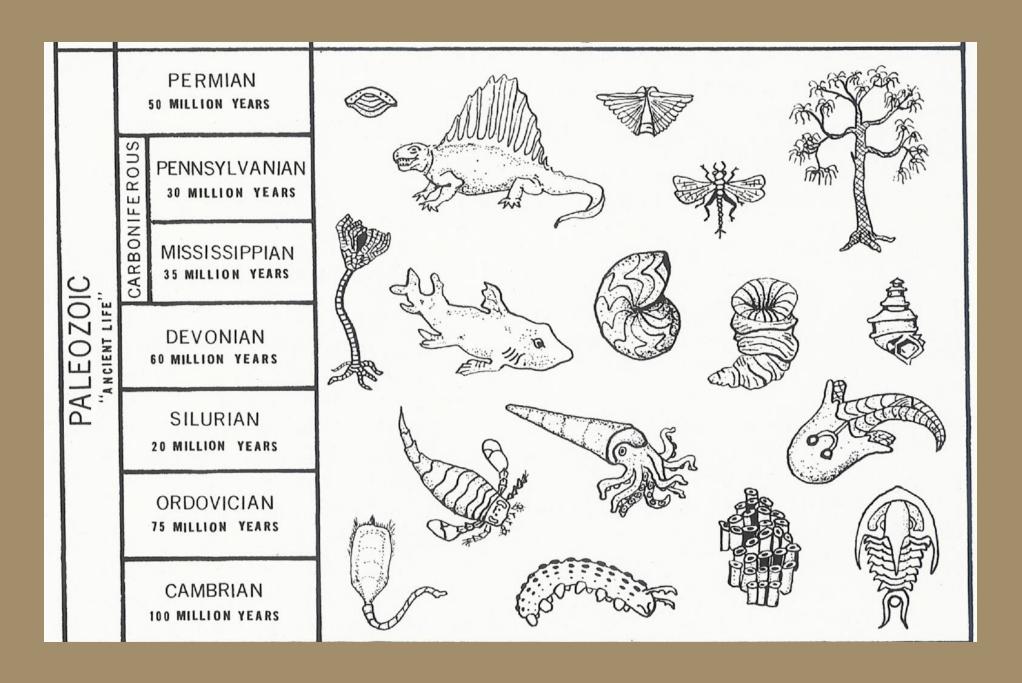






APPROXIMATE AGE OF THE EARTH MORE THAN 4 BILLION 550 MILLION YEARS



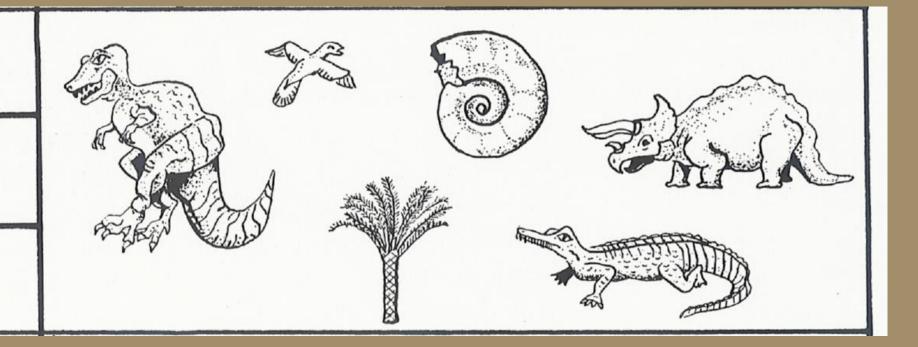




MESOZOIC "MIDDLE LIFE" CRETACEOUS
72 MILLION YEARS

JURASSIC 46 MILLION YEARS

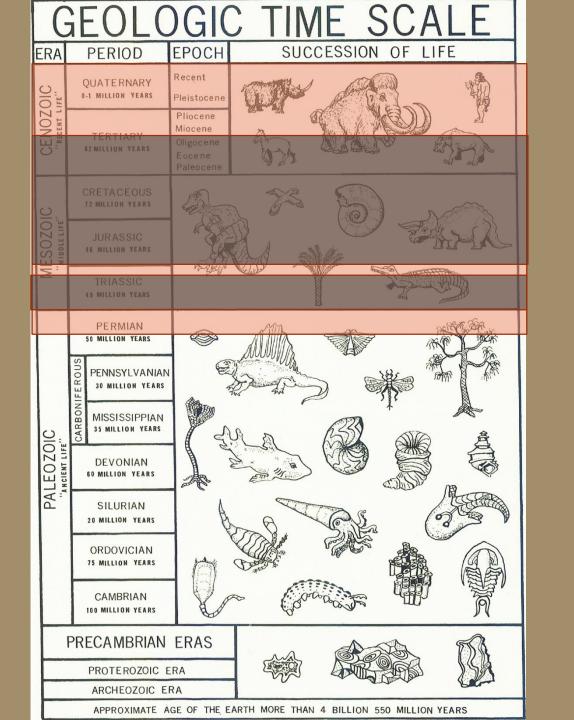
TRIASSIC
49 MILLION YEARS





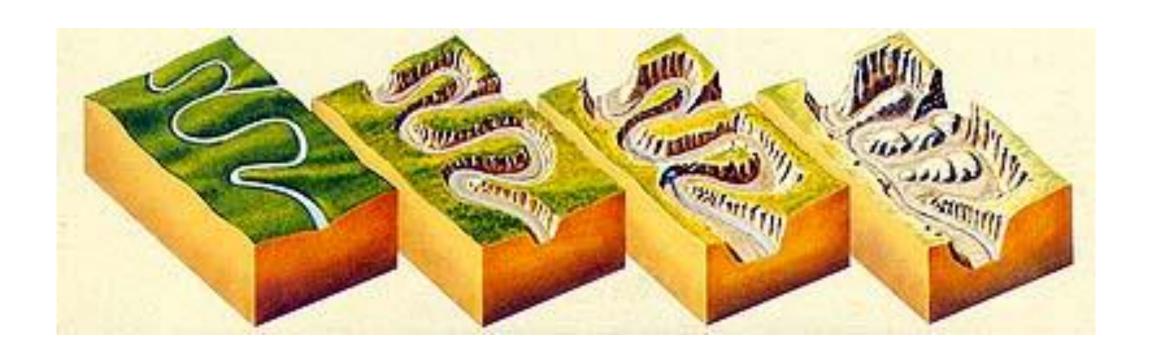
ERA	PERIOD	EPOCH	SUCCESSION OF LIFE
CENOZOIC "RECENT LIFE"	QUATERNARY 0-1 MILLION YEARS	Holocene Pleistocene	
	TERTIARY 62 MILLION YEARS	Pliocene Miocene Oligocene Eocene Paleocene	



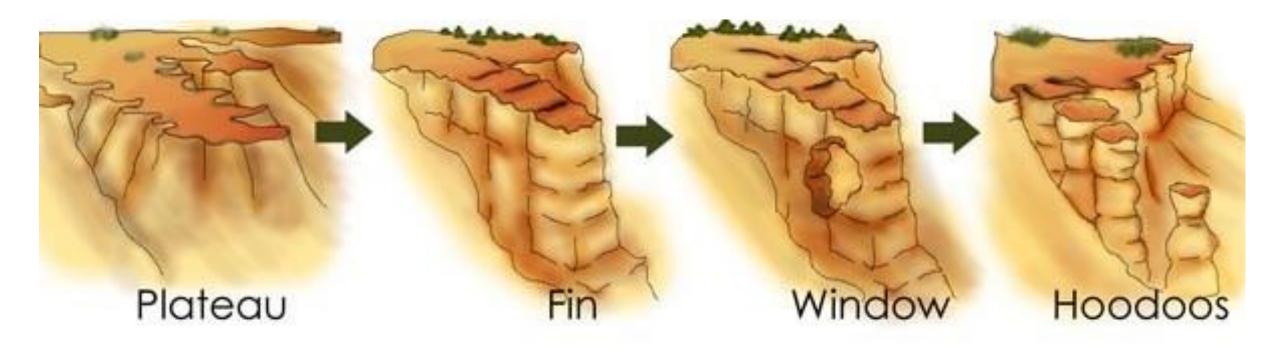














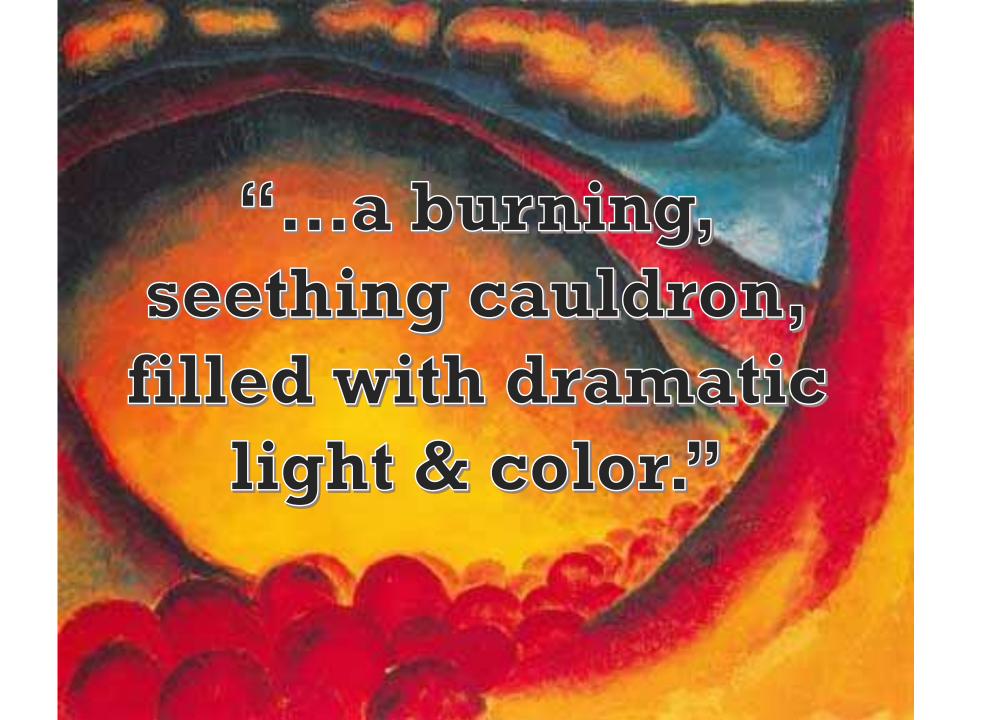


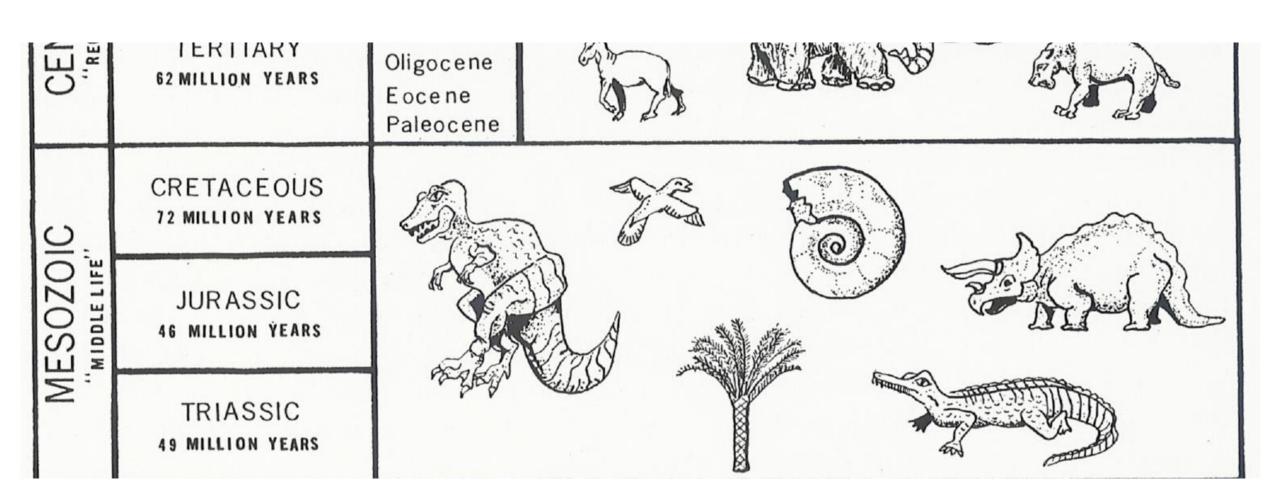






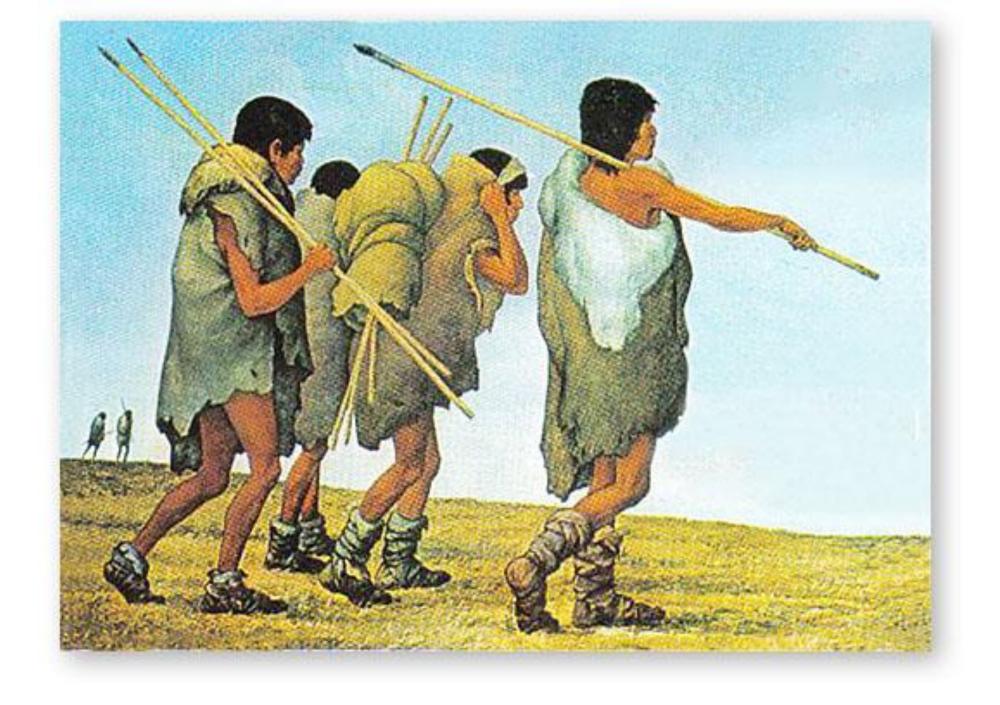






Unconformities





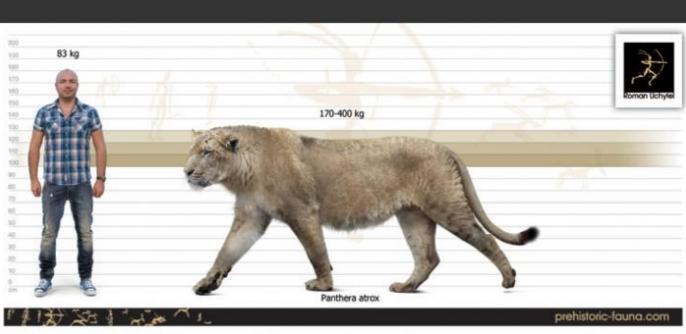




Atlatl Dart Thrower











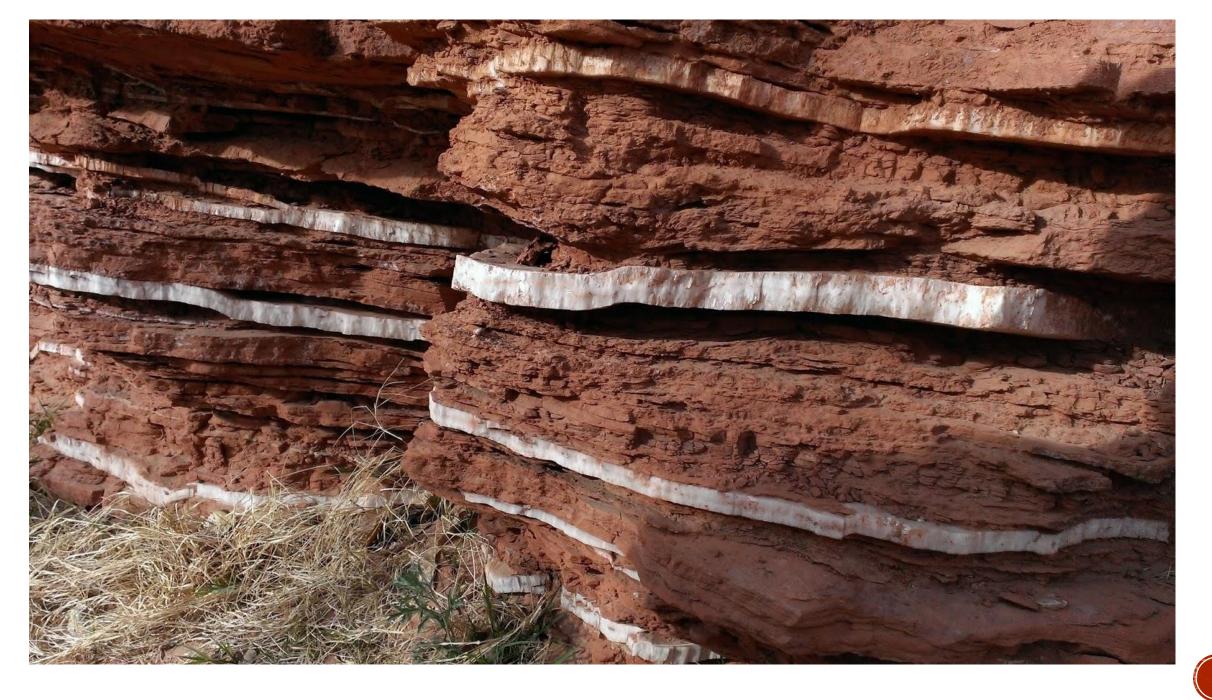










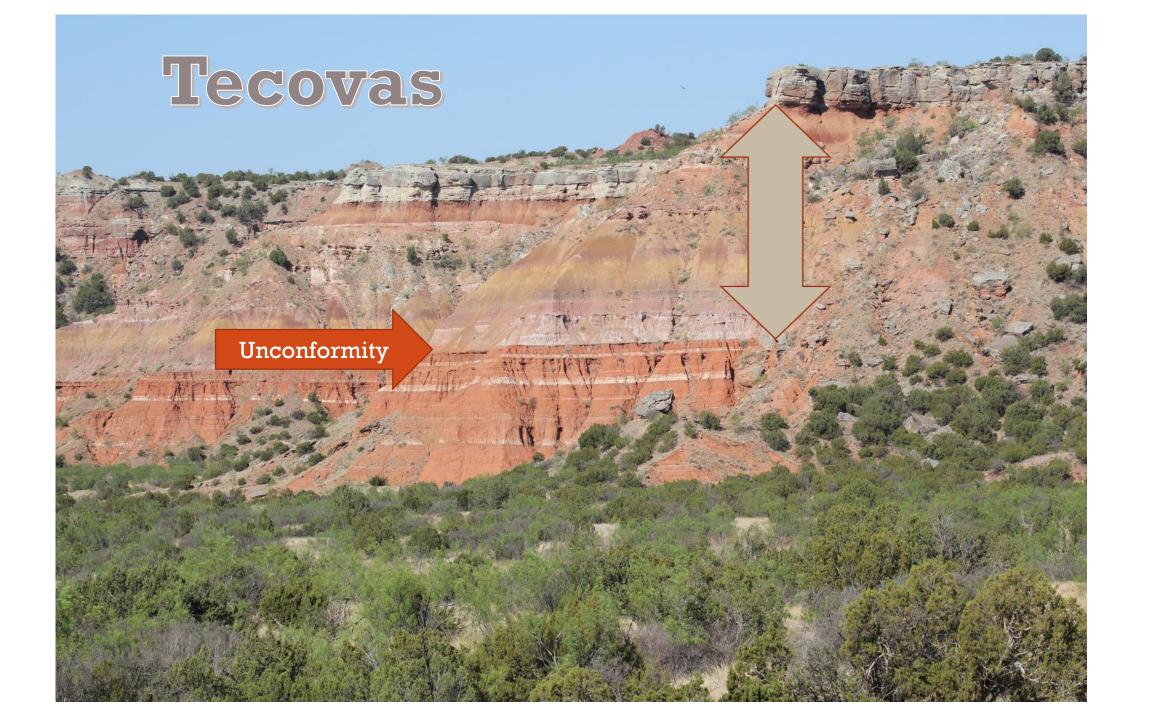


(GEOLO)GI(C TIME SCALE			
ERA	PERIOD	EPOCH	SUCCESSION OF LIFE			
CENOZOIC	QUATERNARY 0-1 MILLION YEARS	Recent Pleistocene				
	TERTIARY 62 MILLION YEARS	Pliocene Miocene Oligocene E oce ne Paleocene				
MESOZOIC "MIDDLE LIFE"	CRETACEOUS 72 MILLION YEARS					
	JURASSIC 46 MILLION YEARS					
Σ:	TRIASSIC 49 MILLION YEARS	n-grijv				
	PERMIAN 50 MILLION YEARS					
PALEOZOIC "ANGIENT LIFE"	PENNSYLVANIAN 30 MILLION YEARS	9				
	MISSISSIPPIAN 35 MILLION YEARS	3	yea BD an A			
	DEVONIAN 60 MILLION YEARS					
	SILURIAN 20 MILLION YEARS	B				
	ORDOVICIAN 75 MILLION YEARS	A Aug				
	CAMBRIAN 100 MILLION YEARS					
	PRECAMBRIAN ERAS					
PROTEROZOIC ERA						
-	ARCHEOZOIC ERA APPROXIMATE AGE OF THE EARTH MORE THAN 4 BILLION 550 MILLION YEARS					











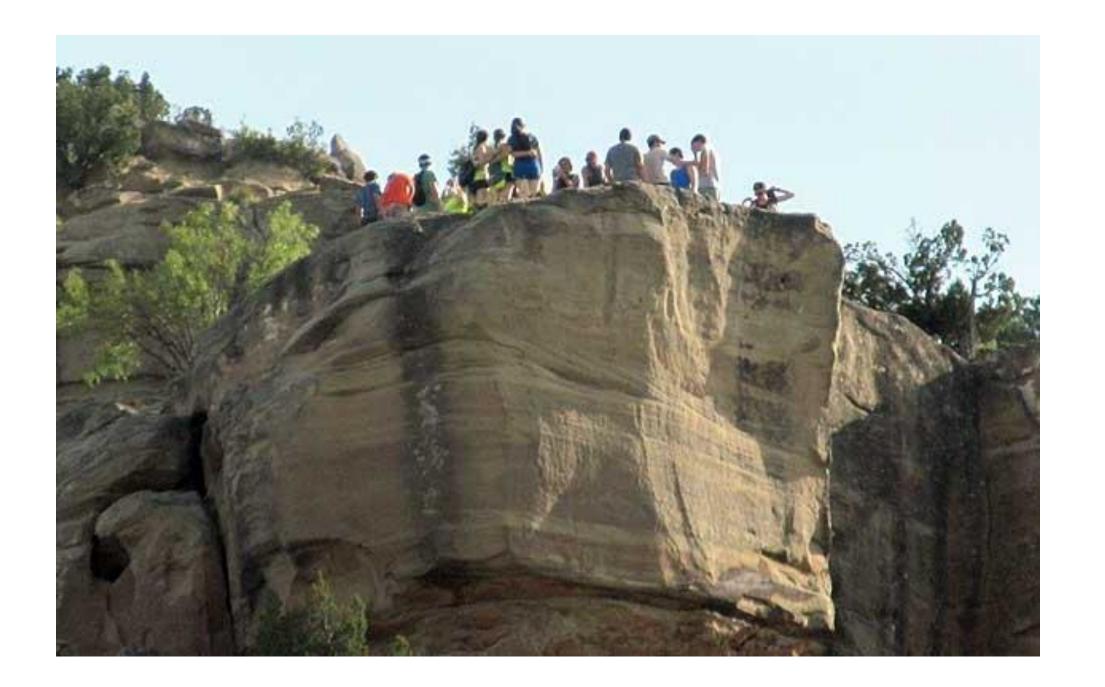




















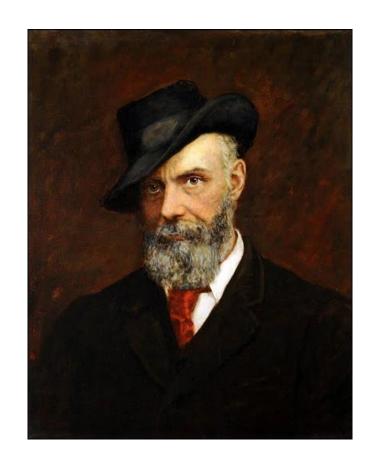




G	GEOLO)GI(C TIME SCALE
ERA	PERIOD	EPOCH	SUCCESSION OF LIFE
CENOZOIC "RECENT LIFE"	QUATERNARY 0-1 MILLION YEARS	Recent Pleistocene	
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ESOZOIC MIDDLE LIFE"	CRETACEOUS 72 MILLION YEARS		
	JURASSIC 46 MILLION YEARS		
Σ	TRIASSIC	LA SIRA	The state of the s
	49 MILLION YEARS		
PALEOZOIC "ANGIENT LIFE"	PERMIAN 50 MILLION YEARS	*	
	S PENNSYLVANIAN 30 MILLION YEARS		
	MISSISSIPPIAN 35 MILLION YEARS	3	y a BD a A
	DEVONIAN 60 MILLION YEARS		
	SILURIAN 20 MILLION YEARS	B	
	ORDOVICIAN 75 MILLION YEARS		
	CAMBRIAN 100 MILLION YEARS	Contraction	a social in the
PRECAMBRIAN ERAS			
PROTEROZOIC ERA			
ARCHEOZOIC ERA			
APPROXIMATE AGE OF THE EARTH MORE THAN 4 BILLION 550 MILLION YEARS			



















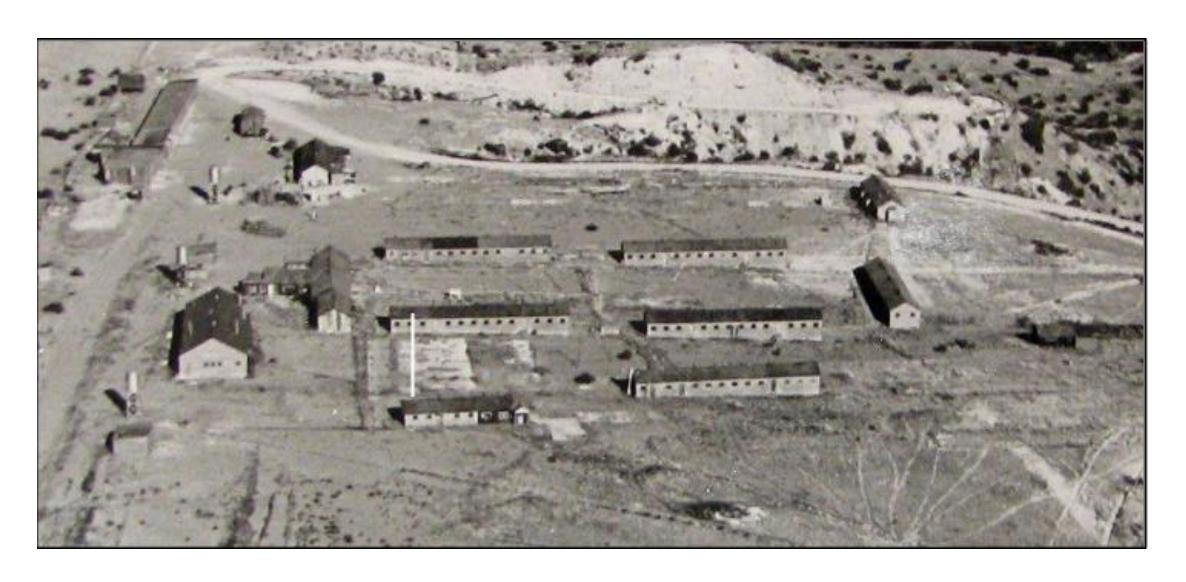




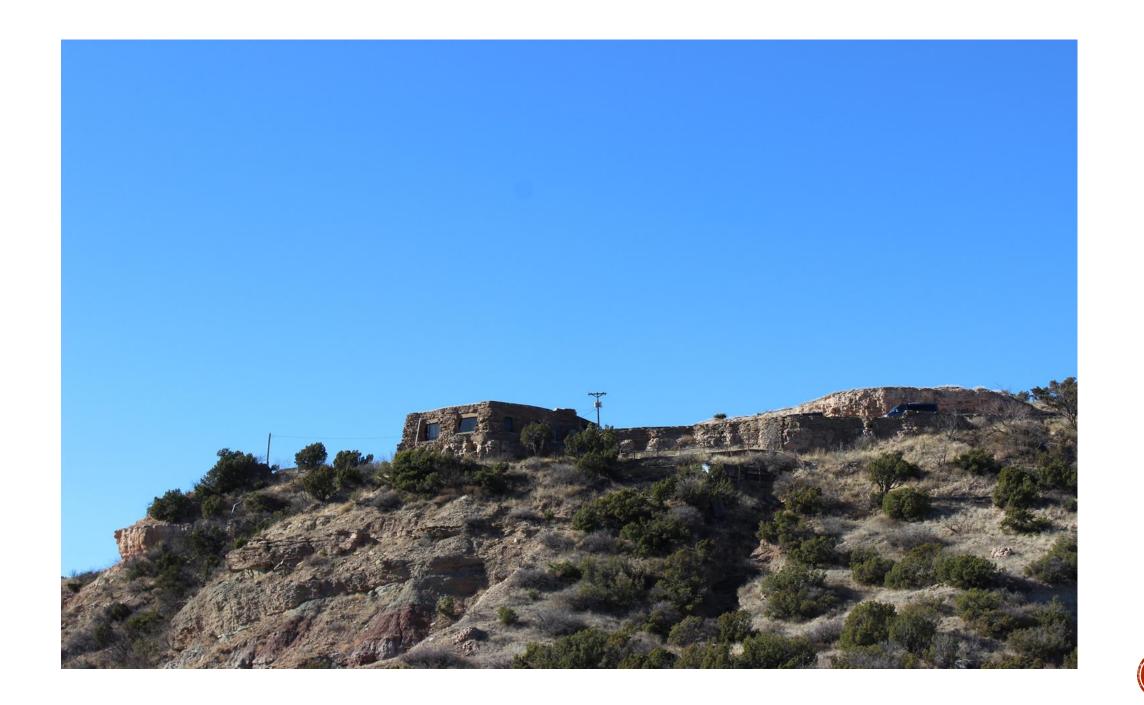


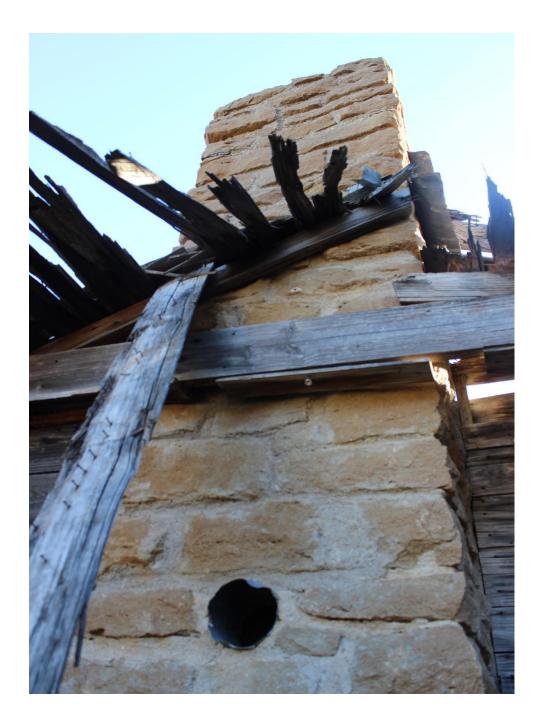


















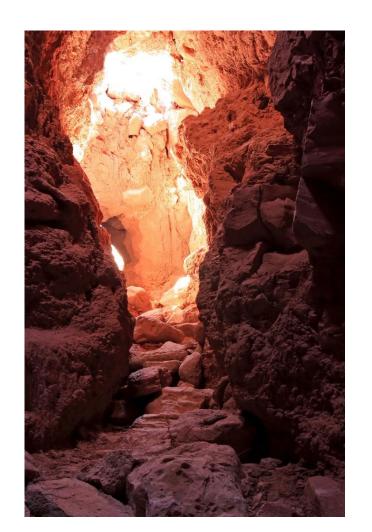




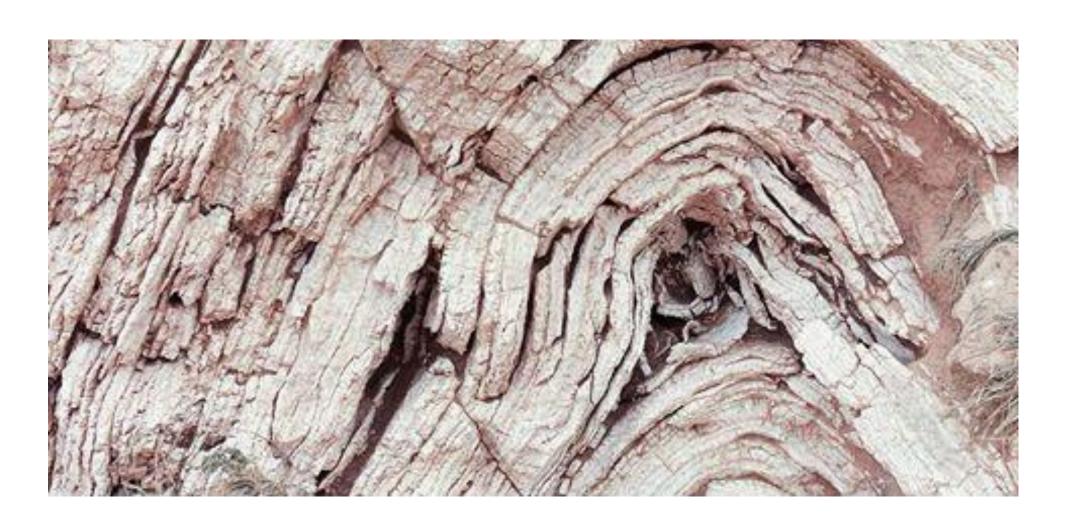










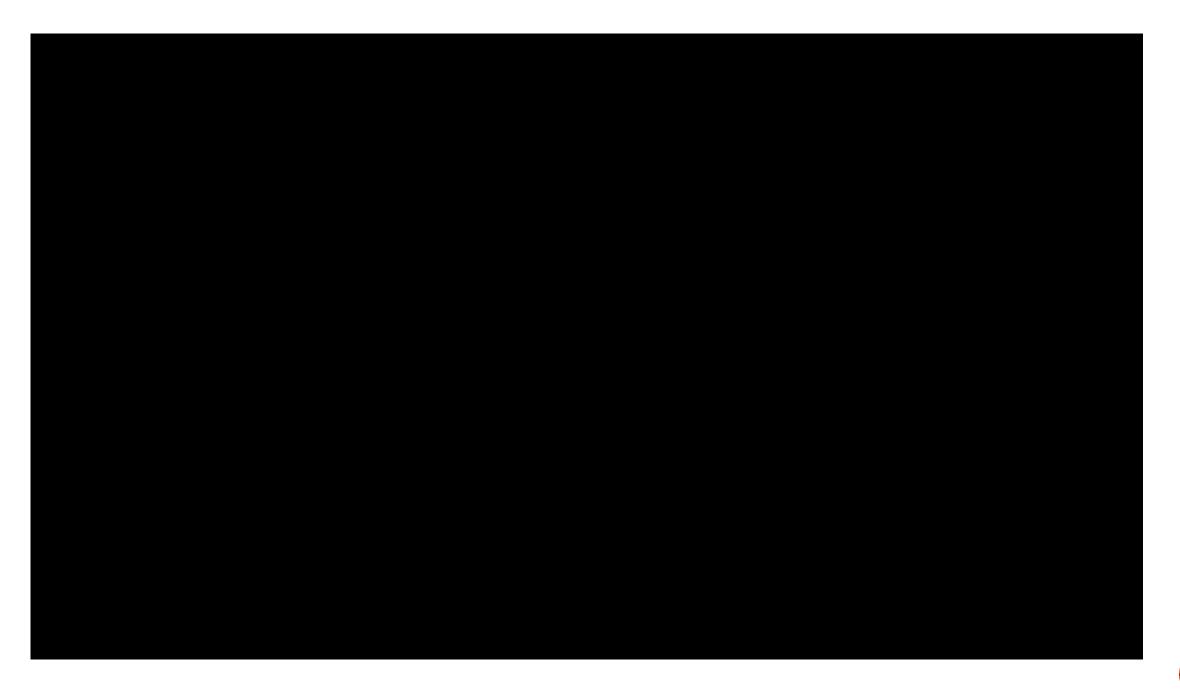




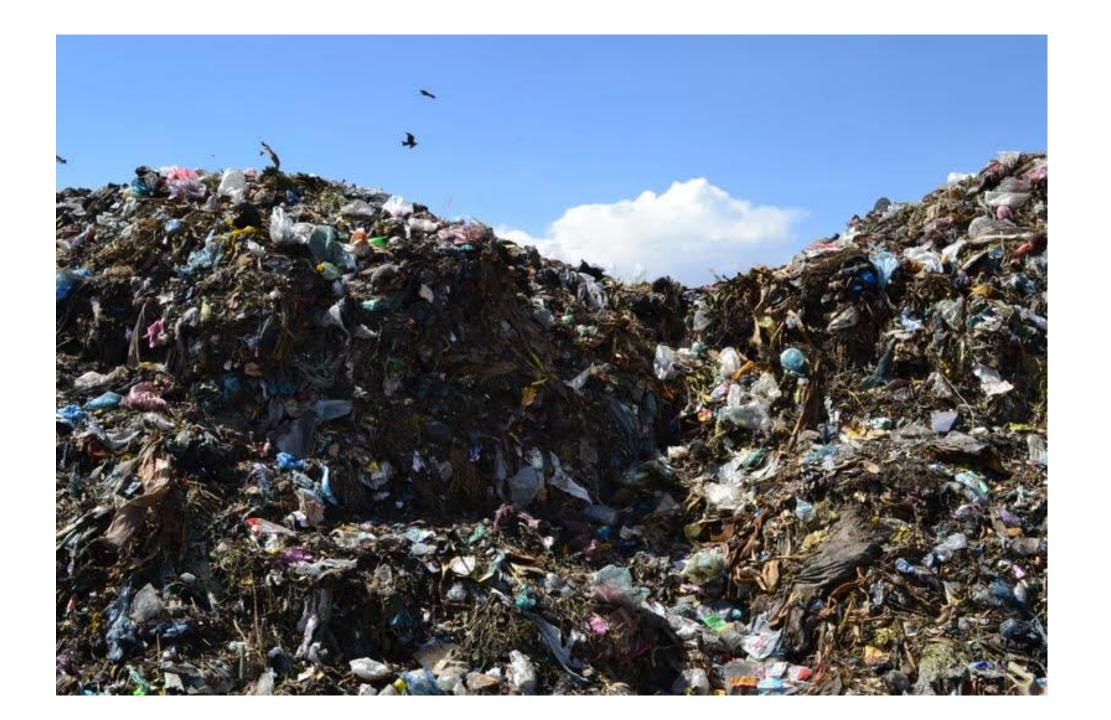


And then came people...



























Caryon Conservation Corps

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